

Loop Powered Interfaces

Vigilon can accommodate a high quantity of loop powered interface units offering flexible range of inputs and outputs from the FD&A system from plant control and signalling other systems in a fire, to linking with other emergency management systems such as sprinklers or security systems.

Loop powered interfaces offer a cost effective solution with each device individually addressed increasing the overall management capability of the FD&A system.

Interfaces are either powered from the loop or require a separate mains supply. The mains power version has its own battery backup.



Description

Vigilon's range of loop powered interfaces offer a comprehensive range of connectivity options with critical plant and other safety systems.

KEY FEATURES

- Loop Powered devices reducing cost of installation and maintenance
- Individual addresses to maximise information and flexible cause and effect
- Each device with EN54-17 short circuit handling for enhanced system integrity
- Comprehensive range of functionality in each device variant to simplify system design
- Complete range of mounting enclosures and accessories
- Options to connect conventional fire detectors such as flame and beam detectors
- Certified to EN54-17 and EN54-18

Loop Powered Interfaces Technical Specifications

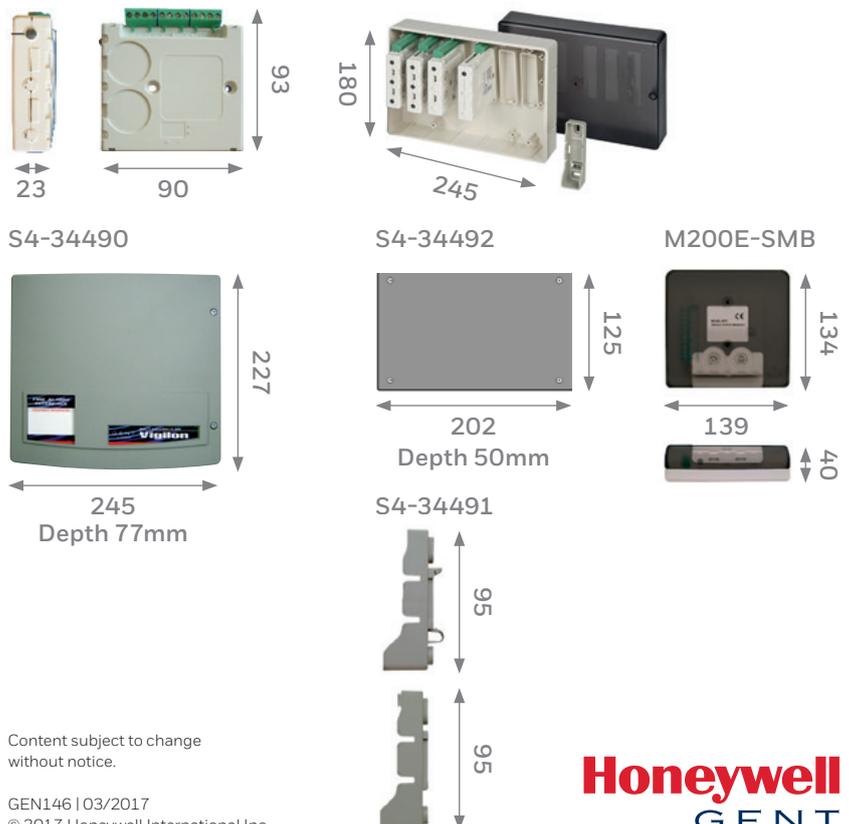
ORDER CODES	
LOOP POWERED LOW VOLTAGE INTERFACES	
SINGLE CHANNEL INTERFACE, LV INPUT ONLY (NO ENCLOSURE)	S4-34410
LV INTERFACE 1 OUTPUT & 1 INPUT (NO ENCLOSURE)	S4-34420
4 CHANNEL INTERFACE (INPUT/OUTPUT) (NO ENCLOSURE)	S4-34450
LOOP POWERED MAINS SWITCHING INTERFACES	
SINGLE CHANNEL OUTPUT ONLY INTERFACE C/W RELAY AND ENCLOSURE	S4-34415
SINGLE CHANNEL OUTPUT ONLY INTERFACE C/W RELAY - DIN MOUNTING	S4-34411
SINGLE CHANNEL MAINS SWITCHING INTERFACE C/W ENCLOSURE	S4-34401
FOUR CHANNEL MAINS SWITCHING INTERFACE C/W ENCLOSURE	S4-34404
KEY SWITCH INTERFACE SINGLE CHANNEL	
KEY SWITCH INTERFACE SINGLE C/W BLUE ENCLOSURE	S4-34418
SUPERVISORY INPUT	
12 INPUT INTERFACE MODULE SUPERVISORY INPUTS ONLY	S4-34412
CONNECTION CONVERTOR FOR S4-34412 AND S4-34600 26 CORE RIBBON TO TERMINAL BLOCK	S4-34494
INTERFACE HOUSINGS AND MOUNTING ACCESSORIES	
INTERFACE ENCLOSURE LARGE PLASTIC	S4-34490
INTERFACE ENCLOSURE SMALL METAL WITH 20MM AND 25MM KNOCKOUT	S4-34492
PACK OF 5 DIN RAIL BRACKETS FOR LV INTERFACE	S4-34491
INTERFACE ENCLOSURE SMALL PLASTIC SURFACE MOUNT BOX	M200E-SMB
INTERFACE ENCLOSE PLASTIC HOUSES 6 INTERFACES	S4-34496

SPECIFICATION					
TYPE	Low Voltage Input/Output Range			Output Interface (Mains)	Key Operated Interface
	Single Input S4-34410	Four Channel Input/Output (I/O) S4-34450	Single Input/Output S4-34420	Single Channel Interface S4-34415 / S4-34411	Supervisory Inputs only S4-34418
APPROX WEIGHT (EXCLUDING ENCLOSURE)	92g	100g	100g	DIN mountable: 138g PCB with cover in metal box: 800g	110g
OPERATING TEMPERATURE	-10°C to +60°C			-25°C to +70°C	
RELATIVE HUMIDITY	Up to 95% - Temperature +5°C to +45°C (Non condensing)				
INGRESS PROTECTION	IP31 for plastic box S4-34490 IP40 estimated for metal box S4-34492		IP40 for metal box (estimated)		IP43
DEVICE LOAD FACTOR	Load Factor 1-4 switch inputs = 1 (maximum 200 per loop) 1-4 relay outputs = 2 (maximum 200 per loop only 8 individually sectored) Zone Input = 26 (maximum 30 per loop) Every LED output = + 5 (maximum 100 LED outputs per loop)		5 (maximum 200 devices per loop)		11
PANEL COMPATIBILITY	Compatible with Loop = V3.93 / V4.35 and Main Control Card = V3.94 / V4.37				
APPROVALS	Approval EN54-17: 2005 and EN54-18: 2005 LPCB				

Dimensions (mm)

Interface without enclosure

S4-34496



For more information

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